



Project Name CITY OF MT.VIEW Location LEONG DRIVE

Date 03/12/2009 06:14:03 Direction Of Survey Downstream

AM Birection of Survey Bownsheam

City MT.VIEW JOB NUMBER 1005

Run Number 345 Purpose Routine Assessment

Pipe

Operator Name JARRED WATSON Completed Yes

Comments

Pipe Size 15"

Pipe Material Vitrified Clay Pipe Pipe Shape Circular

Length Surveyed 216

Sewer Use Sanitary

Manhole

Upstream MH Number F5-060

UpstreamMH LEONG DRIVE

Downstream MH F5-058

Number

Downstream MH LEONG DRIVE

Amount of Flow Live flow

Media Number Truck Number
Contractor Name Weather

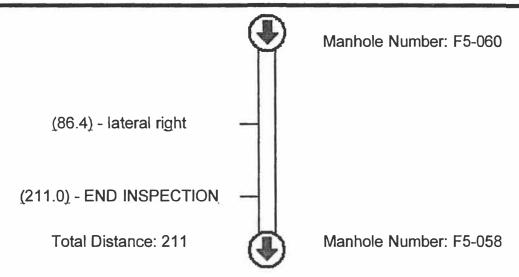
Contractor Name Weather VCR Start Index 00:00:00 VCR End Index 00:00:00

Date: 3/12/2009 6:14:03 AM Location: LEONG DRIVE

Total Distance: 211 Run Number: 345 Pipe Size: 15" Asset ID:

Upstream MH Number: F5-060 Downstream MH Number: F5-058 Direction Of Survey: Downstream Pipe Material: Vitrified Clay Pipe



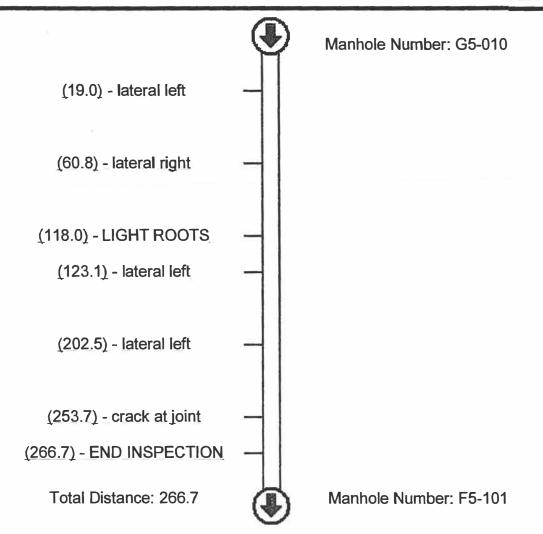


Date: 12/16/2008 12:29:22 PM

Location: LEONG DRIVE Total Distance: 266.7

Run Number: 7 Pipe Size: 8" **Asset ID:** 

Upstream MH Number: G5-010 Downstream MH Number: F5-101 Direction Of Survey: Downstream Pipe Material: Vitrified Clay Pipe Severity
Light
Moderate
Average
Heavy
Severe





Project Name CITY OF MT.VIEW Location LEONG DRIVE

Date 12/16/2008 08:58:53
AM Direction Of Survey Downstream

City MT.VIEW JOB NUMBER 1005

Run Number 6 Purpose Infiltration/Inflow Investigation

Operator Name JARRED WATSON Completed Yes

Comments

Pipe Pipe Size 8"

Pipe Material Vitrified Clay Pipe Pipe Shape Circular

Length Surveyed 0
Sewer Use Sanitary

Manhole

Upstream MH Number F5-011

UpstreamMH LEONG DRIVE

Leong DRIVE

Downstream MH Number F5-056

**Amount of Flow** 

**Contractor Name** 

Downstream MH Location

Media Number Other
Truck Number

VCR Start Index 00:00:00 VCR End Index 00:00:00

Weather

#### Exhibit 2-4-2

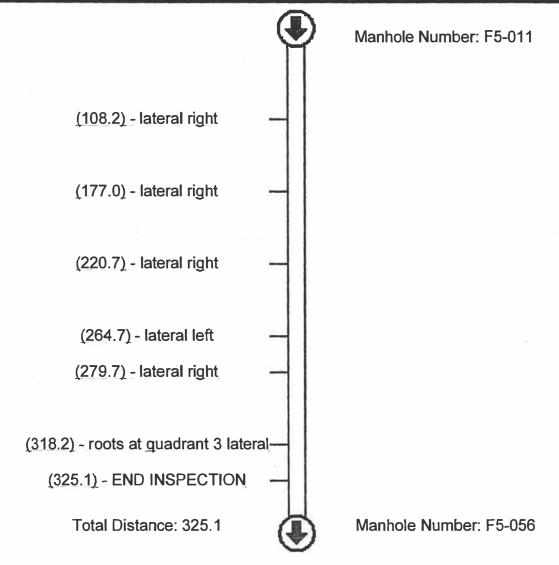
### Project Jame: CITY OF MT.VIE. /

**Date:** 12/16/2008 8:58:53 AM **Location:** LEONG DRIVE

Total Distance: 325.1 Run Number: 6 Pipe Size: 8" Asset ID:

Upstream MH Number: F5-011 Downstream MH Number: F5-056 Direction Of Survey: Downstream Pipe Material: Vitrified Clay Pipe







**Project Name** CITY OF MT.VIEW Location LEONG DRIVE

12/16/2008 08:05:42 **Direction Of Survey** Date Downstream AM

City MT.VIEW **JOB NUMBER** 1005

Infiltration/Inflow **Run Number** 5 **Purpose** Investigation

JARRED WATSON No

**Operator Name** Completed **Comments** 

**Pipe** 8"

Pipe Size Pipe Shape Circular **Pipe Material** Vitrified Clay Pipe

**Length Surveyed** 68.0 Sewer Use

Sanitary Manhole

**Upstream MH** F5-051 Number

**UpstreamMH** LEONG DRIVE Location

**Downstream MH** 

F5-011 Number **Downstream MH** 

Location

**Amount of Flow** Other

**Media Number Truck Number Contractor Name** Weather

**VCR Start Index** 00:00:00 **VCR End Index** 00:00:00

**Date:** 12/16/2008 8:05:42 AM **Location:** LEONG DRIVE

**Total Distance:** 329.8 **Run Number:** 5

Pipe Size: 8"

**Asset ID:** 

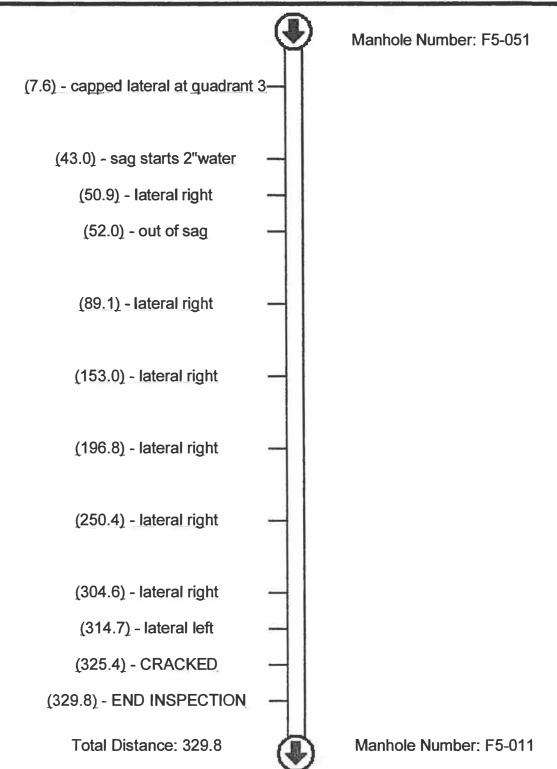
Upstream MH Number: F5-051

Downstream MH Number: F5-011

Direction Of Survey Downstream

**Direction Of Survey:** Downstream **Pipe Material:** Vitrified Clay Pipe







**Project Name** CITY OF MT.VIEW Location LEONG DRIVE

12/15/2008 01:41:31 Date **Direction Of Survey** Downstream PM

City MT.VIEW **JOB NUMBER** 1005

Infiltration/Inflow **Run Number** 4 **Purpose** Investigation

JARRED WATSON Completed Yes

**Operator Name** Comments

**Pipe** 8" **Pipe Size** 

**Pipe Material** Pipe Shape Circular Vitrified Clay Pipe

Length Surveyed 328 **Sewer Use** Sanitary

Manhole

**Upstream MH** F5-063

Number **UpstreamMH** LEONG DRIVE Location

**Downstream MH** F5-051

Number **Downstream MH** 

Location

**Amount of Flow** Other

Media Number **Truck Number Contractor Name** Weather

**VCR End Index VCR Start Index** 00:00:00 00:00:00

Date: 12/15/2008 1:41:31 PM Location: LEONG DRIVE Total Distance: 329.6

Run Number: 4
Pipe Size: 8"

**Asset ID:** 

Upstream MH Number: F5-063
Downstream MH Number: F5-051
Direction Of Survey: Downstream
Pipe Material: Vitrified Clay Pipe



Manhole Number: F5-063 (22.0) - lateral right (65.6) - lateral right (129.1) - lateral right (143.4) - HALF INCH SAG (156.7) - out of sag (166.5) - HALF INCH SAG (171.7) - lateral left (171.7) - out of sag (224.7) - lateral right (283.3) - lateral right (283.3) - FILLED WITH ROOTS (329.6) - END INSPECTION Total Distance: 329.6 Manhole Number: F5-051



Project Name CITY OF MT.VIEW Location LEONG DRIVE

Date 12/15/2008 12:51:24 Direction Of Survey Downstream

City MT.VIEW JOB NUMBER 1005

Infiltration/Inflow

Run Number 3 Purpose Investigation

Operator Name JARRED WATSON Completed Yes Comments

Pipe Pipe Size 8"

Pipe Material Vitrified Clay Pipe Pipe Shape Circular

Length Surveyed 192.2

Sewer Use Sanitary

Sewer Use Sanitary
Manhole

Upstream MH Number F5-071

UpstreamMH LEONG DRIVE

Downstream MH

Number F5-069

Downstream MH Location Amount of Flow

Media Number Truck Number
Contractor Name Weather

VCR Start Index 00:00:00 VCR End Index 00:00:00

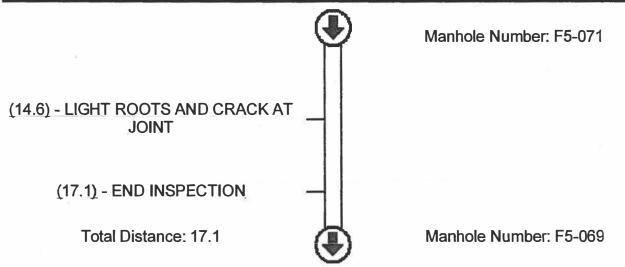
Date: 12/15/2008 12:51:24 PM

Location: LEONG DRIVE Total Distance: 17.1

Run Number: 3 Pipe Size: 8" Asset ID:

Upstream MH Number: F5-071 Downstream MH Number: F5-069 Direction Of Survey: Downstream Pipe Material: Vitrified Clay Pipe





Comments

Location



**Project** 

Project Name CITY OF MT.VIEW Location LEONG DRIVE

Date 12/15/2008 10:31:37 Direction Of Survey Downstream

City MT.VIEW JOB NUMBER 1005

Run Number 2 Purpose Infiltration/Inflow Investigation

Operator Name JARRED WATSON Completed Yes

Pipe

Pipe Size 6"

Pipe Material Vitrified Clay Pipe Pipe Shape Circular

Length Surveyed 197

Sewer Use Sanitary

Manhole

Upstream MH Number F5-073

UpstreamMH LEONG DRIVE

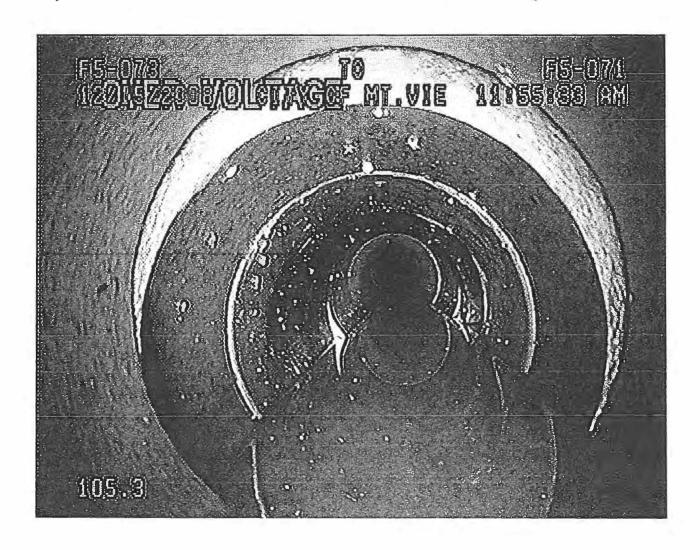
Downstream MH F5-071

Number
Downstream MH

Amount of Flow
Other

Media Number Truck Number
Contractor Name Weather

VCR Start Index 00:00:00 VCR End Index 00:00:00



**Date:** 12/15/2008 10:31:37 AM **Location:** LEONG DRIVE

Total Distance: 192.2

Run Number: 2 Pipe Size: 6" **Asset ID:** 

Upstream MH Number: F5-073 Downstream MH Number: F5-071 Direction Of Survey: Downstream

**Pipe Material:** Vitrified Clay Pipe



Manhole Number: F5-073 (91.4) - LIGLIGHT ROOTS (105.3) - OFFSET WITH 1 INCH WATER HOLDING (107.9) - lateral right (137.5) - LT.ROOTS (158.3) - WATER STARTS TO HOLD (162.7) - LINE HOLDING 1+INCH (174.2) - LT.ROOTS (174.2) - OUT OF WATER (192.2) - END INSPECTION Total Distance: 192.2 Manhole Number: F5-071



Project Name CITY OF MT.VIEW Location LEONG DRIVE

Date 12/15/2008 10:31:37 AM Direction Of Survey Downstream

City MT.VIEW JOB NUMBER 1005

Run Number 1 Purpose Infiltration/Inflow Investigation

Operator Name JARRED WATSON Completed No

Comments

Pipe
Pipe Size 6"

Pipe Material Vitrified Clay Pipe Pipe Shape Circular

Length Surveyed

Sewer Use Sanitary

Manhole

Upstream MH

Number 75

UpstreamMH Leong DRIVE

Downstream MH

Number 73

Downstream MH Location

Amount of Flow

Media Number Other Truck Number

Contractor Name Weather VCR Start Index 00:00:00 VCR End Index

**Date:** 12/15/2008 10:31:37 AM **Location:** LEONG DRIVE

Total Distance: 124.9

Run Number: 1 Pipe Size: 6" Asset ID:

Upstream MH Number: 75
Downstream MH Number: 73
Direction Of Survey: Downstream
Pipe Material: Vitrified Clay Pipe



(64.1) - ROOTS AT JOINT
(69.6) - ROOTS GROING OUT OF
LATERAL

(107.7) - HALF INCH WATER
(112.1) - ONE INCH PLUS STANDING
WATER

(124.9) - MH#73

Total Distance: 124.9

Manhole Number: 73